	Application No.	Applicant(s)
Notice of Allowability	09/725,088	GASPAR, HARAND
	Examiner	Art Unit	
	Dmitry Levitan	2662	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *interview on 05/27/05*.

2. ☒ The allowed claim(s) is/are *1-20*.

3. ☒ The drawings filed on *24 May 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Leon Turkevich on 05/27/05.

The application has been amended as follows:

Claims 1-20 have been amended per Appendix A.

Note. Claims were amended to clarify the language of the claims.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dmitry Levitan whose telephone number is (571) 272-3093. The

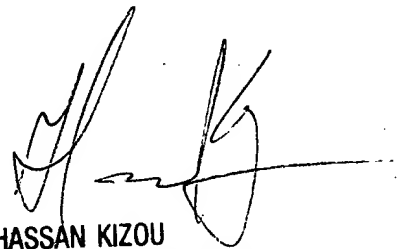examiner can normally be reached on 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dmitry Levitan
Patent Examiner.
05/27/05

HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Appendix A

1.   (CURRENTLY AMENDED) A method of testing a network device under test having a media access controller configured for generating random numbers for idle intervals in response to sensed collisions, respectively, the method comprising:

attempting transmission, by the network device under test, of data packets onto a network medium;

generating the collisions in response to each attempted transmission of [[the]] a data packet;

identifying the idle intervals selected by the media access controller ~~time intervals that the network device under test is transmitting on the network medium relative to the idle intervals~~; and

determining a randomness of the idle intervals based on a prescribed minimum number of the identified ~~time~~ idle intervals.

2.   (ORIGINAL) The method of claim 1, wherein the step of generating the collisions includes connecting a physical layer transceiver, coupled to the network device under test, in a loopback mode for simultaneous transmission and reception of each attempted transmission of the data packet.

3.   (CURRENTLY AMENDED) The method of claim 2, wherein the network device under test is coupled to a physical layer transceiver via an exposed media independent interface, the identifying step including detecting an asserted carrier sense signal on the exposed media independent interface by a connected logic analyzer, and storing ~~the corresponding~~ a time interval for the asserted carrier sense signal.

4. (CURRENTLY AMENDED) The method of claim 3, wherein the determining step includes correlating the idle intervals ~~relative to the identified time intervals and~~ based on a determined access attempt.

5. (ORIGINAL) The method of claim 1, wherein the step of generating the collisions includes connecting to the network medium a packet generator configured for outputting onto the network medium a colliding packet in response to detection of each attempted transmission of the data packet.

6. (CURRENTLY AMENDED) The method of claim 5, wherein the identifying step includes detecting, by a logic analyzer, an asserted carrier sense signal generated onto an exposed media independent interface by a physical layer transceiver connected to the network medium, the network analyzer storing ~~the corresponding~~ a time interval for the asserted carrier sense signal.

7. (CURRENTLY AMENDED) The method of claim 6, wherein the determining step includes correlating the idle intervals ~~relative to the identified time intervals and~~ based on a determined access attempt.

8. (ORIGINAL) The method of claim 6, wherein the physical layer transceiver is coupled via the exposed media independent interface to a second media access controller separate from the network device under test.

9. (ORIGINAL) The method of claim 6, wherein the network device under test, the physical layer transceiver, and the packet generator are interconnected to the network medium via a hub.

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10.   (CURRENTLY AMENDED) A testing system for testing a network device under test having a media access controller configured for generating random numbers for idle intervals in response to sensed collisions, respectively, the testing system comprising:

a collision generator configured for generating a collision in response to each attempted transmission of a data packet by the network device under test; and

an analyzer configured for identifying <u>the idle intervals selected by the media access controller in response to the sensed collisions</u> ~~time intervals that the network device under test is transmitting~~ on the network medium, the analyzer determining a randomness of the idle intervals based on a prescribed minimum number of the identified ~~time~~ <u>idle</u> intervals.

11.   (ORIGINAL) The system of claim 10, wherein the collision generator includes a physical layer transceiver configured in a loopback mode for identification of said each attempted transmission of the data packet as the corresponding collision.

12.   (CURRENTLY AMENDED) The system of claim 11, wherein the physical layer transceiver is coupled to the network device under test via an exposed media independent interface, the analyzer configured for identifying the [[time]] <u>idle</u> intervals based on detecting an asserted carrier sense signal on the exposed media independent interface.

13.   (ORIGINAL) The system of claim 10, wherein the collision generator includes a packet generator, coupled to a network medium, configured for outputting onto the network medium a colliding packet in response to detection of said each attempted transmission of a data packet on the network medium.

14.   (CURRENTLY AMENDED) The system of claim 13, further comprising a physical layer transceiver coupled to the network medium and having an exposed media independent interface, the analyzer configured for identifying the [[time]] <u>idle</u> intervals based on detecting an asserted carrier sense signal on the exposed media independent interface.

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15.   (ORIGINAL) The system of claim 14, wherein the physical layer transceiver is coupled via the exposed media independent interface to a second media access controller separate from the network device under test.

16.   (CURRENTLY AMENDED) A testing system for testing a network device under test having a media access controller configured for generating random numbers for idle intervals in response to sensed collisions, respectively, the testing system comprising:

a collision generator configured for generating a collision in response to each attempted transmission of a data packet by the network device under test;

an analyzer configured for identifying time intervals that the network device under test is transmitting the idle intervals selected by the media access controller in response to the sensed collisions on the network medium; and

a processor configured for determining a randomness of the idle intervals based on a prescribed minimum number of the identified time idle intervals.

17.   (ORIGINAL) The system of claim 16, wherein the collision generator includes a physical layer transceiver configured in a loopback mode for identification of said each attempted transmission of the data packet as the corresponding collision.

18.   (CURRENTLY AMENDED) The system of claim 17, wherein the physical layer transceiver is coupled to the network device under test via an exposed media independent interface, the analyzer configured for identifying the [[time]] idle intervals based on detecting an asserted carrier sense signal on the exposed media independent interface.

19.   (ORIGINAL) The system of claim 16, wherein the collision generator includes a packet generator, coupled to a network medium, configured for outputting onto the network medium a colliding packet in response to detection of said each attempted transmission of a data

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packet on the network medium.

20.   (CURRENTLY AMENDED) The system of claim 19, further comprising a
physical layer transceiver coupled to the network medium and having an exposed media
independent interface, the analyzer configured for identifying the [[time]] idle intervals based on
detecting an asserted carrier sense signal on the exposed media independent interface.

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